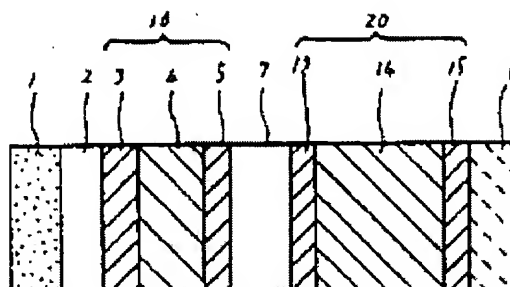


LAMINATED PHOTOVOLTAIC DEVICE

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- international: H01L31/04
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Abstract of JP63077167

PURPOSE: To obtain a laminated photovoltaic device which has high photoelectric conversion efficiency by forming one or more conductive layers which pass a light of long wavelength between laminated photovoltaic elements. **CONSTITUTION:** A transparent electrode 2, a first pin type photovoltaic element 10, a light transmission conductive layer (ITO) layer 7, a second pin type photovoltaic element 20 and a rear surface electrode 6 are sequentially formed on a transparent glass layer 1. The elements 10, 20 are formed of p-type a-Si layers 3, 13, i-type a-Si layers 4, 14, and n-type a-Si layers 5, 15. An ITO layer 7 mainly reflects a short wavelength light, the short wavelength light is absorbed to the element 10, and the transmitted long wavelength light is absorbed to the element 20. Thus, a laminated photovoltaic device having high photoelectric conversion efficiency is obtained.



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